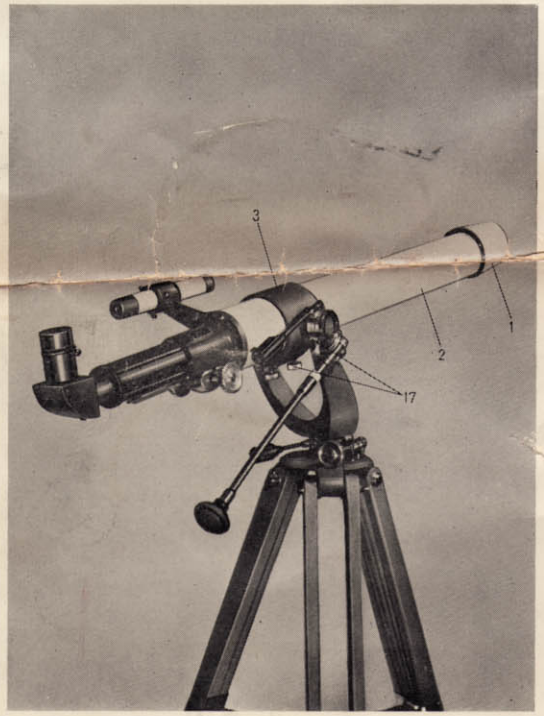
ASTRONOMICAL AND TERRESTRIAL ALTAZIMUTH TELESCOPE



Features :

° This telescope will present you with the marvelous starry skies through the powerful Objective Lens of excellent quality.

° The outstanding charateristic of this instrument is that it is equipped with the superb Micro-Motion Adjustment which functions 90 degrees from the earth to the zenith. This remarkable efficiency is at your disposal for delightful observation.

° The 5x Finder will enable you to sight the object clearly in a wider field of view.

° The fine Rack and Pinion System will give years of carefree service.
You will be satisfied with the specially designed Tripod with a groove on the inside of each leg.

° The beautiful Wooden Box is handy to carry and store the telescope.

° The size and elasticity is well considered in making the Flexible Chuck. It will prove to be a useful device in tracking the movement of the object.

Accessories :

Diagonal Prism : The well-tested prism will make it easy for you to make an astronomical observation without optical loss.

Barlow Lens : The barlow lens doubles the power of any eyepiece with which it is used. Insert this barlow lens into the adapter, and you can use the two eyepieces in four magnifications :

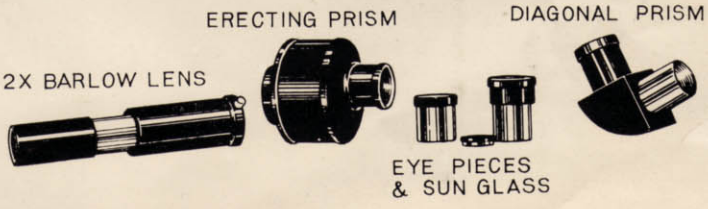
20mm (35x 70x) 5mm (140x 280x)

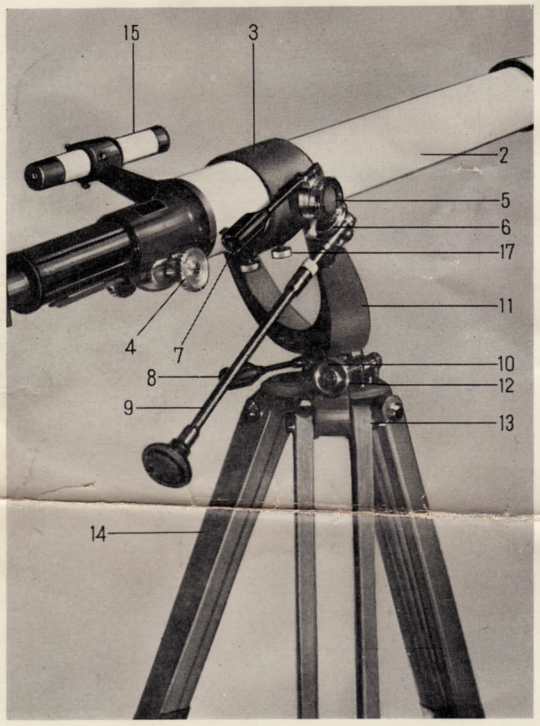
Sun Glass : For safe solar observation, the sun glass is screwed into the inside threaded edge of eyepiece tube :

Erecting Prism : The coated prism is designed for terrestrial observation without loss in brightness.

Objective lens
(Fraunhofer type) :

Clear aperture	60mm
Focal length	700mm
Condensing power	73×
Resolving Power	2.0″
Limitation magnitude	10.3m





Instructions for use :

1. Loosen the knob (17) and you can slide the main tube freely. Slide the main tube forward and backward to set it keeping poise roughly for operation; and tighten the knob (17). this is important so as to prevent the main tube from wavering during observation.
2. Tighten the knob (7), and you can turn the flexible chuck slow-motion adjustment (9) for altitude. Likewise after tightening the knob (8) use the knob (10) for azimuth In other words the micro-motion adjustment will not function unless you tighten the knobs (7) and(8). Another thing is that you should not move the main tube strongly up and down or right and left if both the knobs (7) and (8) are tightened.
3. The screw (6) should be engaged around the middle of the fan-shaped gears (3). If it goes too far, turn it back to the middle turning (9) and (10) after loosening (7) and (8).
4. Then sight the object with the finder cross-hairs (15), and bring it to a focus turning the Knob(4).

Remarks: Do not try to move the main tube holding the finder in hand; and avoid giving pressure to the finder, which may distort the optical axis.

Fig ①

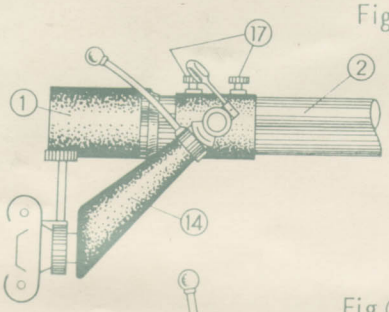
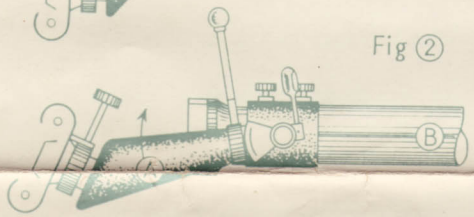


Fig ②



Assembling :

Take out the telescope which is contained in the wooden case, as shown in Fig. (1)

Take off the hood (1), loosen the knob (7) and turn the york (11) in an opposite direction as indicated by an arrow (A) in Fig (2)

Loosen the knob (17), and slide the main tube as indicated by an arrow (B).

Then equip the hood. and tighten the wing nut (13) firmly on the tripod (14).

Disassembling :

Disassemble the telescope in the reverse order.

Terrestrial Observation :

Take off the adapter which are attached to the draw tube (18), and screw up the erecting prism (16) into the draw tube. Then insert an eyepiece, and you are ready for terrestrial observation. Unlike astronomical observation, however, conditions are so varying with the rare or close air that it is desirable to make a, terrestrial observation using a low-power eyepiece.

